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(54) Expandable well screen

(57) An expandable well screen (36) provides increased collapse, torsional and tensile strength. In an embodiment, the expandable well screen (36) includes a generally tubular base pipe (38) and an external filtering media (40). The well screen (36) is configured to have sufficient torsional and tensile strength for conveyance and positioning in a wellbore, while also having sufficient strength to prevent collapse when the screen (38) is radially expanded.

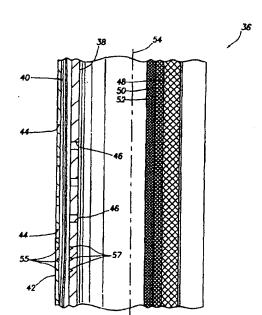


FIG.2



EUROPEAN SEARCH REPORT

EP 01 30 4042

	DOCUMENTS CONSI		ANT		
Category	Citation of document with of relevant pa	Indication, where appropriate, seages		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
X	FR 2 771 133 A (DR 21 May 1999 (1999- * claim 1 * * figures 6,7 *	ILLFLEX) 05-21)	1,	9	E21843/10 E21843/08
x	US 3 099 318 A (MI 30 July 1963 (1963 * column 7, line 2 * figures 1-4 *	-07-30)	T AL) 1,	9	
	WO 98 49423 A (SHE RESEARCH (NL)) 5 November 1998 (1 * page 4, line 28- * figures 3,4 *	998~11~05)	L INT 7		
\	US 5 901 789 A (KE AL) 11 May 1999 (1° * the whole docume	999-05-11)	ET 1,	3,5, 10	
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	The present search report has	been drawn up for all claims			
	Place of Search	Date of completion of the s	earch		Example
1	THE HAGUE	19 April 200	12	Scho	uten, A
X : partica Y : partica Clocum A : techno	TEGORY OF CITED DOCUMENTS atomy relevant if taken alone starty relevant if combined with and left of the same category logical background	E : santér p after the her D : docume L : docume	r principle under latent document filing date int clied in the a m clied for othe	rlying the in , but publis pplication ressons	vention hed on. or
D: Interm	vrimen disclosure ediate document	å ; member docume	of the same pe	nent temby.	corresponding

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 01 30 4042 -

This annex lists the patient family members relating to the patient documents cited in the above—mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

19-04-2002

	Patent docume cited in search re		Publication date		Patent family member(s)	Publication date
FR	2771133	А	21-05-1999	FR AU WO	2771133 A1 1159199 A 9925951 A1	21-05-1999 07-06-1999 27-05-1999
US	3099318	Α	30-07-1963	NONE		27-05-1999
WO	9849423	A	05-11-1998	AU AU BR WO EP NO	717503 B2 7651798 A 9809005 A 9849423 A1 0980462 A1 995248 A	30-03-2000 24-11-1998 08-08-2000 05-11-1998 23-02-2000 27-10-1999
US	5901789	A	11-05-1999	AU BR DE EA WO EP JP NO NZ US	710745 B2 7568096 A 9611456 A 69617258 D1 980433 A1 9717524 A2 0859902 A2 11514712 T 982087 A 322015 A 6012522 A	30-09-1999 29-05-1997 17-02-1999 03-01-2002 29-10-1998 15-05-1997 26-08-1998 14-12-1999 07-07-1998 28-10-1999 11-01-2000

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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